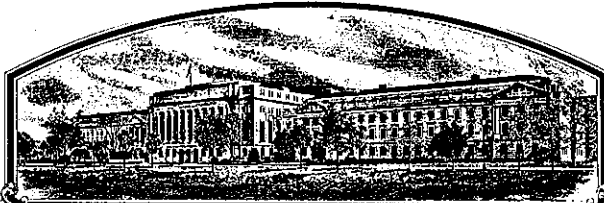


No.



8800060

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Busch Agricultural Resources, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS OF SEED FROM THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BARLEY

'B1203'

In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed
at the City of Washington, D. C.
this 29th day of March in
the year of our Lord one thousand nine
hundred and ninety-one.

Attest:

Kenneth H. Evans
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Ed Madigan
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED: OMB NO. 0581-0055

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) Busch Agricultural Resources, Inc.		2. TEMPORARY DESIGNATION 2B80-157		3. VARIETY NAME B1203	
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 806 N. 2nd Street Berthoud, Colorado 80513		5. PHONE (Include area code) (303)532-3721		FOR OFFICIAL USE ONLY VPPO NUMBER 8800060	
6. GENUS AND SPECIES NAME Hordeum vulgare L.		7. FAMILY NAME (Botanical) Gramineae		FILING DATE February 1, 1988 TIME 1:30 <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.	
8. KIND NAME Spring Barley		9. DATE OF DETERMINATION 1=1980 2=1986		FEE RECEIVED AMOUNT FOR FILING \$1800.00 DATE February 1, 1988 AMOUNT FOR CERTIFICATE \$200.00 DATE Feb. 4, 1991	
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Corporation				12. DATE OF INCORPORATION 1/1/81	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Delaware					
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Dr. Melvern K. Anderson or C. Bruns Busch Agricultural Resources, Inc. Nickerson American Plant Breeders Inc. 806 N. 2nd Street 806 N. 2nd Street Berthoud, Colorado 80513 (303)532-3721 PHONE (Include area code) Berthoud, CO					
14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED a. <input checked="" type="checkbox"/> Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.) b. <input checked="" type="checkbox"/> Exhibit B, Novelty Statement. c. <input checked="" type="checkbox"/> Exhibit C, Objective Description of Variety (Request form from Plant Variety Protection Office.) d. <input checked="" type="checkbox"/> Exhibit D, Additional Description of Variety. e. <input checked="" type="checkbox"/> Exhibit E, Statement of the Basis of Applicant's Ownership. f. <input checked="" type="checkbox"/> Exhibit F, Quality and Agronomic Data					
15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act.) <input checked="" type="checkbox"/> Yes (If "Yes," answer items 16 and 17 below) <input type="checkbox"/> No					
16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input checked="" type="checkbox"/> Foundation <input checked="" type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified			
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.? <input type="checkbox"/> Yes (If "Yes," give date) <input checked="" type="checkbox"/> No					
19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES? <input type="checkbox"/> Yes (If "Yes," give names of countries and dates) <input checked="" type="checkbox"/> No					
20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.					
SIGNATURE OF APPLICANT Melvern K. Anderson, Busch Agr. Res., Inc.				DATE 1-20-88	
SIGNATURE OF APPLICANT				DATE	

EXHIBIT A.

ORIGIN AND BREEDING HISTORY OF B1203

PEDIGREE: S7290//Klages/Summit

DATE OF CROSS: The single cross was made in the spring 1977 greenhouse; the three-way cross was completed in the fall 1977 greenhouse. The F1 was grown in the spring 1978 greenhouse to produce F2 seed.

HISTORY: F2 plants were grown at Twin Falls, Idaho in 1978. A single seed from an F2 head selection was advanced by single seed descent in the fall 1978 greenhouse. An F4 head-row was selected in Twin Falls, Idaho in 1979. Malting quality prediction tests on remnant F4 seed assisted in the selection of an F5 seed increase plot in Christchurch, New Zealand for yield testing an F2 derived F6 bulk at Berthoud, Colorado and Nampa, Idaho in 1980. This line advanced to second year yield trials in 1981.

In 1982, 300 head selections were made to initiate purification and multiplication. Of these 300 head-rows 258 rows were selected. The purified breeder seed sources served as yield trial seed. B1203 was tested in yield trials from 1980 thru 1987 at Twin Falls, Boise, or Idaho Falls, Idaho and Berthoud, Colorado. B1203 has not been given to any outside testing sources because it is very low in viscosity, an extremely important brewing characteristic.

Purification was initiated in 1983. There were 300 head-rows grown at our Berthoud, Colorado location and 258 were selected to be bulked together as the initial breeder seed stock. An additional one hundred head-rows were grown in 1984 with ninety-seven being selected to be bulked as an additional breeder seed stock. In 1986, 1,768 pounds of breeder seed was produced. Foundation seed will be produced during the summer of 1988 at Fairfield, Montana.

Future head-rows will be grown as necessary to constitute Breeder seed. B1203 is uniform and stable. Less than .5% of the plants were rogued from the Breeder seed field in 1986. 98% of the rogued variant plants were approximately 3 centimeters taller than B1203. Less than .3% total variant plants may be encountered in subsequent generations.

EXHIBIT B.

NOVELTY STATEMENT

B1203 is most similar to the spring barleys 'B1202' and 'Klages'. However, it can be distinguished from both varieties by the following morphological characteristics:

- B1203 has a drooping flag leaf. B1202 has an upright flag leaf.
- B1203's glume hair covering is confined to a band. B1202's glume hair completely covers the glume.
- B1203 has lower viscosity than B1202 or Klages, (see Quality data page 1).
- B1203 is 6 centimeters shorter than Klages, (see statistical data page 2).

STUDENT-T TABLE FOR WORT VISCOSITY

B1203 VS.KLAGES

<u>VARIETY</u>	<u>N</u>	<u>MEAN</u>	<u>STANDARD DEVIATION</u>	<u>STANDARD ERROR</u>	<u>T</u>	<u>DF</u>	<u>PROB>T</u>
B1203	8	1.414	0.0311	0.0110	2.8672	14	0.0124*
KLAGES	8	1.466	0.0414	0.0146			

* THE DIFFERENCE IN MEANS IS SIGNIFICANT AT THE 5% LEVEL

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STUDENT-T TABLE FOR PLANT HEIGHT(CM)B1203 VS. KLAGES

<u>VARIETY</u>	<u>N</u>	<u>MEAN</u>	<u>STANDARD DEVIATION</u>	<u>STANDARD ERROR</u>	<u>T</u>	<u>DF</u>	<u>PROB>T</u>
B1203	20	87.6	3.2112	0.7181	5.6715	38	0.0001**
KLAGES	20	93.9	3.7592	0.8406			

** THE DIFFERENCE IN MEANS IS SIGNIFICANT AT THE 1% LEVEL

OBJECTIVE DESCRIPTION OF VARIETY
BARLEY (*HORDEUM VULGARE*)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

Busch Agricultural Resources, Inc.

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

806 N. 2nd Street
Berthoud, CO 80513

FOR OFFICIAL USE ONLY

PVPO NUMBER

8800060

VARIETY NAME OR TEMPORARY
DESIGNATIONPlace the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (i.e. or) when number is either 99 or less or 9 or less.

1. GROWTH HABIT:

 1 = SPRING 2 = FACULTATIVE WINTER 3 = WINTER Early Growth: 1 = PROSTRATE 2 = SEMIPROSTRATE
3 = ERECT

2. MATURITY (50% Flowering):

 1 = EARLY (California Mariout) 2 = MIDSEASON (Betzes) 3 = LATE (Frontier)

**Equal to Klages

 No. of days Earlier than } 1 = BETZES 2 = CALIFORNIA MARIOUT 3 = CONQUEST 4 = DICKSON
 No. of days Later than } 5 = PIROLINE 6 = PRIMUS 7 = UNITAN 8 = Klages 9 = Clark

3. PLANT HEIGHT (From soil level to top of head):

 1 = SEMIDWARF 2 = SHORT (California Mariout) 3 = MEDIUM-TALL (Betzes) 4 = TALL (Conquest) Cm. Shorter than } 1 = BETZES 2 = CALIFORNIA MARIOUT 3 = CONQUEST 4 = DICKSON
 Cm. Taller than } 5 = PIROLINE 6 = PRIMUS 7 = UNITAN 8 = Klages

4. STEM:

 Exertion (Flag to spike at maturity): 1 = 0 - 3 cm. 2 = 3 - 10 cm. Anthocyanin: 1 = ABSENT 2 = PRESENT
3 = 10 - 15 cm. NO. OF NODES (Originating from node above ground) Collar Shape: 1 = CLOSED 2 = V-SHAPED 3 = OPEN Shape of Neck: 1 = STRAIGHT 2 = SNAKY
4 = MODIFIED CLOSED OR OPEN 3 = OTHER (Specify)

5. LEAF:

 Basal leaf sheath (seedling): 1 = GLABROUS 2 = PUBESCENT Position of flag leaf (at boot stage): 1 = DROOPING
2 = UPRIGHT Waxiness: 1 = ABSENT (Glossy) 2 = SLIGHTLY WAXY MM. WIDTH (First leaf below flag-leaf)
3 = WAXY CM. LENGTH (First leaf below flag leaf) Anthocyanin in leaf sheath: 1 = ABSENT 2 = PRESENT

6. HEAD:

 Type: 1 = TWO-ROWED 2 = SIX-ROWED Density: 1 = LAX 2 = ERECT (Not dense)
3 = ERECT (Dense) Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE Waxiness: 1 = ABSENT (Glossy) 2 = SLIGHTLY WAXY
4 = OTHER (Specify) 3 = WAXY Lateral Kernels Overlap: 1 = NONE 2 = AT TIP Rachis (Hair on edge): 1 = LACKING 2 = FEW 3 = COVERED
3 = 1/4 - 1/2 OF HEAD

7. GLUME:

 Length: 1 = 1/3 OF LEMMA 2 = 1/2 OF LEMMA Hairs: 1 = NONE 2 = SHORT 3 = LONG
3 = MORE THAN 1/2 OF LEMMA Hair covering: 1 = NONE 2 = RESTRICTED TO MIDDLE 3 = CONFINED TO BAND 4 = COMPLETELY COVERED Awns: 1 = LESS THAN EQUAL TO LENGTH OF GLUMES 2 = EQUAL TO LENGTH OF GLUMES
3 = MORE THAN EQUAL TO LENGTH OF GLUMES Awn Surface: 1 = SMOOTH 2 = SEMISMOOTH 3 = ROUGH

FORM GR-470-5 (Reverse)

8. LEMMA:

☐ 5 Awn: 1 = AWNLESS 2 = AWNLETS ON CENTRAL ROWS, AWNLESS ON LATERAL ROWS
3 = SHORT ON CENTRAL ROWS, AWNLETS ON LATERAL ROWS 4 = SHORT (less than equal to length of spike)
5 = LONG (longer than spike) 6 = HOODED

☐ 3 Awn Surface: 0 = AWNLESS 1 = SMOOTH 2 = SEMISMOOTH 3 = ROUGH

☐ 2 Teeth: 1 = ABSENT 2 = FEW 3 = NUMEROUS ☐ 1 Hair: 1 = ABSENT 2 = PRESENT

☐ 1 Shape of base: 1 = DEPRESSION 2 = SLIGHT CREASE 3 = TRANSVERSE CREASE ☐ 2 Rachilla Hairs: 1 = SHORT 2 = LONG

9. STIGMA:

☐ 2 Hairs: 1 = FEW 2 = MANY

10. SEED:

☐ 2 Type: 1 = NAKED 2 = COVERED ☐ 1 Hairs on Ventral Furrow: 1 = ABSENT 2 = PRESENT

☐ 4 Length: 1 = SHORT (8.0 mm.) 2 = SHORT TO MIDLONG (7.5 - 9.0 mm.) 3 = MIDLONG (8.5 - 9.5 mm.)
4 = MIDLONG TO LONG (9.0 - 10.5 mm.) 5 = LONG (10.0 mm.)

☐ 3 Wrinkling of hull: 1 = NAKED 2 = SLIGHTLY WRINKLED 3 = SEMIWRINKLED 4 = WRINKLED

☐ 1 Aleurone Color: 1 = COLORLESS (White or Yellow) 2 = BLUE

☐ 0 PERCENT ABORTIVE **none found in 200 gram sample. ☐ 4 GMS. PER 1000 SEEDS

11. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3 = Moderately Susceptible 4 = Moderately Resistant

<input type="checkbox"/> 0 SEPTORIA	<input type="checkbox"/> 3 NET BLOTCH	<input type="checkbox"/> 0 SPOT BLOTCH	<input type="checkbox"/> 4 POWDERY MILDEW
<input type="checkbox"/> 0 LOOSE SMUT	<input type="checkbox"/> 0 BACTERIAL BLIGHT	<input type="checkbox"/> 0 COVERED SMUT	<input type="checkbox"/> 0 FALSE LOOSE SMUT
<input type="checkbox"/> 0 STEM RUST	<input type="checkbox"/> 0 LEAF RUST	<input type="checkbox"/> 0 SCAB	<input type="checkbox"/> 0 SCALD
<input type="checkbox"/> 0 AY	<input type="checkbox"/> 0 BSMV	<input type="checkbox"/> 0 BYDV	<input type="checkbox"/> 0 OTHER (Specify)

12. INSECT: (0 = Not tested, 1 = Susceptible 2 = Resistant)

<input type="checkbox"/> 0 GREEN BUG	<input type="checkbox"/> 0 ENGLISH GRAIN APHID	<input type="checkbox"/> 0 CHINCH BUG	<input type="checkbox"/> 0 ARMYWORM
<input type="checkbox"/> 0 GRASS HOPPERS	<input type="checkbox"/> 0 CERIAL LEAF BETTLE	<input type="checkbox"/> 0 OTHER (Specify)	
HESSIAN FLY RACES			
<input type="checkbox"/> 0 GP	<input type="checkbox"/> 0 A	<input type="checkbox"/> 0 B	<input type="checkbox"/> 0 C
<input type="checkbox"/> 0 D	<input type="checkbox"/> 0 E	<input type="checkbox"/> 0 F	<input type="checkbox"/> 0 G

13. CHEMICAL (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

☐ 0 DDT ☐ 0 OTHER (Specify)

14. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	B1202	Seed size	B1202
Leaf size	B1202	Coleoptile elongation	B1202
Leaf color	B1202	Seedling pigmentation	B1202
Leaf carriage	Bridger 82		

REFERENCES: The following publications may be used as a reference aid for the standardization of character descriptions and terms used in this form:

1. Wiebe, G. A., and D. A. Reid, 1961, Classification of Barley Varieties Grown in the United States and Canada in 1958, Technical Bulletin No. 1224, U.S. Dept. of Agriculture.
2. Reid, D. A., and G. A. Wiebe, 1968, Barley: Origin, Botany, Culture, Winter Hardiness, Genetics, Utilization, Pests, Agriculture Handbook No. 338, U.S. Dept. of Agriculture. pp. 61 - 84.
3. Malting Barley Improvement Association, Milwaukee, Wisconsin, 1971, Barley Variety Dictionary.

COLOR: Nickerson's or any recognized color fan may be used to determine color of the described variety.

EXHIBIT D.

ADDITIONAL BOTANICAL DESCRIPTION OF B1203

B1203 is a two-rowed spring barley bred and developed by Busch Agricultural Resources, Inc. Berthoud, Colorado. It has a midseason maturity and excellent malting quality.

Juvenile growth habit is semiprostrate. Plant color at boot is green with a drooping flag leaf. Head shape is strap and lax with a straight neck and v-shaped to closed collar. Rachilla and glume hair is long and rachis edge is covered. Glume hair covering is confined to a band and the glume awns are equal to the length of the glume and are rough. Lemma awns are long and rough. Lemma teeth are few and hairs are absent. Seed is covered, midlong to long, semiwrinkled and aleurone is colorless or white.

B1203 is an intermountain two-rowed variety well adapted to the irrigated areas of Colorado, Idaho, Montana, Wyoming, Washington, Oregon and northern California. B1203 is a malting type barley currently in commercial scale testing. B1203 has been extensively tested under irrigation in Colorado, Idaho, Wyoming, and Montana. B1203 will be merchandized in all the intermountain states.

EXHIBIT E.

STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

Busch Agricultural Resources, Inc. is applicant for protection in this case being:

- a. The incorporated business registered in Delaware for and within which regular employees have bred B1203.
- b. The proprietary owner and intending commercial seller of B1203.

EXHIBIT F.

QUALITY AND AGRONOMIC DATA B1203

BARI B1203 Agronomic Summaries 1983-1987.....page 1.
BARI Micromalt Summaries 1983-1986.....page 2.
Anheuser-Busch Large Scale Malting Trials 1984-1986....page 3.

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page 1.

BARI B1203 AGRONOMIC SUMMARIES 1983-1987
IRRIGATED INTERMOUNTAIN TEST RESULTS

<u>VARIETY</u>	<u>YIELD (% KLAGES)</u>						(23)	(12)(18)(21)	<u>LDG.</u>
	(2)	(4)	(4)	(16)	(11)	(37)	HD.	MAT. HT.	
	<u>83</u>	<u>84</u>	<u>85</u>	<u>86</u>	<u>87</u>	<u>X</u>	<u>JAN.1</u>	<u>1-5</u> <u>CM</u>	<u>1-9</u>
B1203	92	103	106	110	119	111	168	4.3 84	4.1
B1202	105	102	106	113	122	113	160	2.8 87	2.9
KLAGES	100	100	100	100	100	100	167	3.3 90	3.7
	(83)	(120)	(113)	(91)	(97)	(100)	=BU/A		
PREMIER	95	102	109	106	115	106	166	3.1 87	3.7
CLARK	100	100	103	95	110	102	165	4.0 89	4.6
HARRINGTON	89	102	107	103	111	104	166	3.0 87	3.4

1983-87: 37 STATION YEARS

Hd=Heading Date
Mat=Plant Maturity
Ldg=Plant Lodging

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page 2.

"BARI B1203 MICROMALT SUMMARIES 1983-1986"

<u>VARIETY</u>	<u>% PLUMP</u>	<u>PROTEIN</u>			<u>EXT.</u>	<u>D.P.</u>	<u>D.P./ PROT.</u>	<u>A.A.</u>
		<u>MALT</u>	<u>WORT</u>	<u>W/T</u>				
B1203	70	11.4	4.2	37	80.5	106	9.3	39
KLAGES	66	11.8	4.2	35	80.1	110	9.3	39

1983-1986: 14 STATION YEARS

W/T=Wort Protein/Total Protein

Ext.=Extract

D.P.=Diastatic power

D.P./Prot.=Diastatic power/Protein

A.A.=Alpha amylase

page 3.

"ANHEUSER-BUSCH LARGE SCALE MALTING TRIALS 1984-1986"

<u>ENTRY</u>	<u>MALT KERN 7/64</u>	<u>TTL PRO</u>	<u>EXTRACT</u>		<u>WORT VIS</u>	<u>W/T</u>	<u>WORT PRO</u>	<u>DP</u>	<u>AA</u>	<u>WORT</u>	
			<u>F. GRD</u>	<u>F-C DIF</u>						<u>CLR</u>	<u>TUR</u>
B1203	76	11.6	80.7	1.1	1.41	44.7	5.2	110	50.8	2.0	10
KLAGES	66	12.4	80.3	2.0	1.50	44.8	5.5	120	51.5	2.0	10

Malt Kern=Malt Plumpness
 TTL Protein=Total Protein
 F. Grd=Find Grind
 F-C=Fine-Coarse Differences
 Wort Vis=Wort Viscosity
 W/T=Wort Protein/Total Protein
 Wort Pro=Wort Protein
 DP=Diastatic Power
 AA=Alpha Amylase